

SPE: T. Tran

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

DATE : 7/6/06

Paper No.: \_\_\_\_\_

TO SPE OF : ART UNIT 2621

SUBJECT : Request for Certificate of Correction for Appl. No.: 09/615,577 Patent No.: 6993/48

Please respond to this request for a certificate of correction within 7 days.

Please review the requested changes/corrections as shown in the COCIN document(s) in the IFW application image. No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Please complete the response (see below) and forward the completed response to scanning using document code COCX.

Lamonte M. Newsome  
Certificates of Correction Branch  
703-308-9390 ext. 112

Thank You For Your Assistance

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriate box.

☐ Approved

All changes apply.

☒ Approved in Part

Specify below which changes do not apply.

☐ Denied

State the reasons for denial below.

Comments: Please see the attached page for comments.

Matthew C. Bella

MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

SPE

Art Unit

1. Title page correction ("At Item (56)...Kurokid et al. should read - - Parker et al. - -") on page 1 of certificate of correction is not approved. See the front page of U.S. Patent 5,113,310. If at all, the correction should be made from "Kurokid et al." to "Kuroki et al."
2. Column 1 line 37 correction ("FIG." Should read - - FIGS. - -") on page 1 of certificate of correction is not approved. Column 1 line 37 states "FIG. 2 or 4" which is correct.
3. Column 9 line 7 correction on page 1 of certificate of correction is not approved. This should refer to line 8 and not line 7.



US005113310A

**United States Patent** [19]

Kuroki et al.

[11] **Patent Number:** 5,113,310[45] **Date of Patent:** May 12, 1992[54] **DIELECTRIC FILTER**[75] **Inventors:** Hiroshi Kuroki; Yoshifumi Yamagata,  
both of Kagoshima; Youichi  
Yamashita, Shiga, all of Japan[73] **Assignee:** Kyocera Corporation, Kyoto, Japan[21] **Appl. No.:** 590,150[22] **Filed:** Sep. 28, 1990[30] **Foreign Application Priority Data**

Sep. 30, 1989 [JP]	Japan	1-115078[U]
Sep. 30, 1989 [JP]	Japan	1-115079[U]
Dec. 28, 1989 [JP]	Japan	1-153151[U]

[51] **Int. Cl.<sup>5</sup>** ..... H01P 1/205; H01G 1/14;  
H01G 4/42; H01G 7/00[52] **U.S. Cl.** ..... 361/302; 333/202;  
361/321; 29/25.42[58] **Field of Search** ..... 361/302, 321, 328, 329;  
29/25.42; 333/302, 181[56] **References Cited****U.S. PATENT DOCUMENTS**

4,144,509	3/1979	Boutros	361/302
4,179,673	12/1979	Nishikawa et al.	333/204
4,839,773	6/1989	Ishikawa et al.	361/321

**FOREIGN PATENT DOCUMENTS**

0038996	11/1981	European Pat. Off.
0093956	11/1983	European Pat. Off.
0208424	1/1987	European Pat. Off.
61-292401	12/1986	Japan
24702	2/1988	Japan
WO83/00092	8/1983	PCT Int'l Appl.

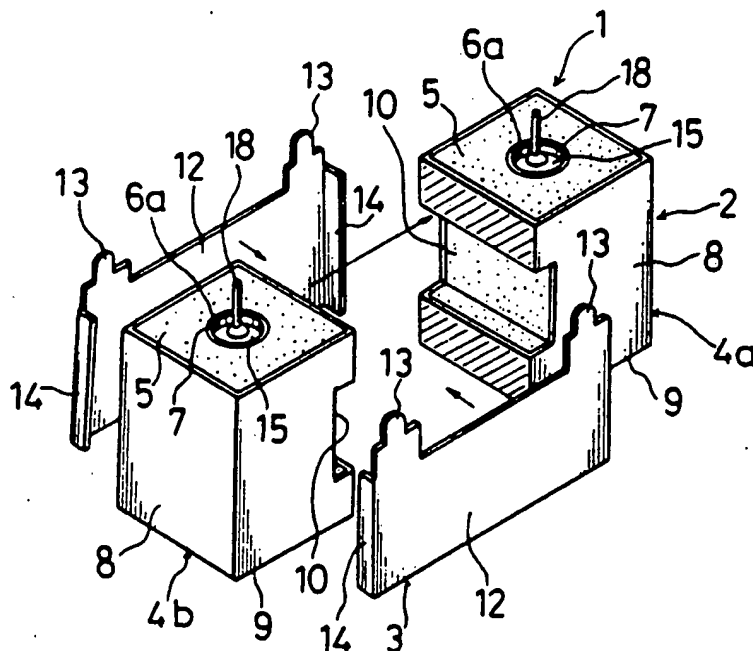
WO88/01104	2/1988	PCT Int'l Appl.
WO87/01210	2/1988	PCT Int'l Appl.
2109641	10/1982	United Kingdom
2163606A	2/1986	United Kingdom
2165098	4/1986	United Kingdom
2184608	6/1987	United Kingdom
2210225A	6/1989	United Kingdom

**Primary Examiner**—Donald A. Griffin  
**Attorney, Agent, or Firm**—Spensley Horn Jubas &  
 Lubitz

[57] **ABSTRACT**

A dielectric filter comprises a first resonator and second resonator. Each of the resonators includes a dielectric block having a through-hole, an inner conductive layer placed on the inner surface of the through-hole, and an outer conductive layer placed on the outer surface of the dielectric blocks. The first and second resonators have a coupled hole extending transversely to the through-holes in portions of the resonator couples adjacent to each other. The dielectric filter may further include a frame made of a pair of metal plates covering said coupling hole. The pair of metal plates have legs for earthing and are affixed to the filter body, whereupon the metal plates are located, apart from each other. A method for producing a dielectric filter comprises the steps of making a filter body by connecting a first resonator and second resonator; providing a pair of lead frames incorporating a plurality of metal plates; disposing said filter body between said metal plates of the pair of lead frames; and fixing the metal plates to opposite sides of the filter body.

34 Claims, 5 Drawing Sheets



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE

At Item (56), U.S. Patent Documents, "Kurokid et al." should read --Parker et al.--.

COLUMN 1

Line 31, "shown as" should read --as shown--. ✓

Line 37, "FIG." should read --FIGS.--. ?

COLUMN 5

Line 18, "frequency-band-components" should read --frequency band components--. ✓

COLUMN 7

Line 5, "be" should read --the--. ✓

Line 19, "+i" should read --i--. ✓

COLUMN 8

Line 9, "values×and y" should read --values x and y--. ✓

Line 36, "bit" should read --bit- --. ?

COLUMN 9

Line 7, "all-positions" should read --all positions--. ✓

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PATENT NO. 6,993,148 B1

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**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 2 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 14

Line 36, "set I<sub>2</sub>" should read --set I<sub>1</sub>--. ✓

COLUMN 17

Line 29, "(a'-b')" should read --(a'-b')--. ✓

COLUMN 18

Line 16, "including-the" should read --including the--. ✓

COLUMN 19

Line 17, "large-size" should read --large size--. ✓

COLUMN 20

Line 4, "obtaining" should read --obtained--. ✓

Line 27, "P<sub>g1</sub>" should read --P<sub>g1+1</sub>--. ✓

COLUMN 21

Line 26, "y" should read --by--. ✓

COLUMN 23

Line 22, "divided" should read --divided by--. ✓

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PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 3 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 24

Line 13, "addition;" should read --addition,--. ✓

Line 25, "Means)" should read --Means]--. ✓

Line 40, "(num]" should read --[num]--. ✓

Line 55, ")" should be deleted. ✓

COLUMN 25

Line 67, "assigned." should read --assigned)--. ✓

COLUMN 28

Line 41, "wI" should read --wI',--. ✓

Line 42, "wI" should read --wI',--. ✓

COLUMN 29

Line 10, "example" should read --examples--. ✓

Line 33, "32" should read --32c<sup>2</sup>--. ✓

Line 66, "32" should read --32c<sup>2</sup>--. ✓

COLUMN 31

Line 17, "using-the" should read --using the--. ✓

Line 38, "22," should read --22.--. ✓

COLUMN 37

Line 56, "value a" should read --value  $\alpha$ --. ✓

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**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 4 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 38

Line 6, "Inf" should read --Inf<sub>2</sub>--. ✓

Line 8, "signal:" should read --signal.--. ✓

COLUMN 39

Line 16, "information" should read --information;--. ✓

Line 29, "por-" should read --posi- --. ✓

Line 38, "information" should read --information;--. ✓

Line 54, "information" should read --information;--. ✓

Line 56, "an" should read --and--. ✓

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 5 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 40

Line 4, "information" should read --information;--.

Line 19, "information" should read --information;--.

Line 36, "information" should read --information;--.



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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent of: )  
: Examiner: Shervin Nakhjavan  
TOMOYUKI MIYASHITA, ET AL. )  
: Group Art Unit: 2621  
Appln. No.: 09/615,577 )  
: Patent No.: 6,993,148 B1  
Filed: July 13, 2000 )  
: Issued: January 31, 2006  
For: IMAGE PROCESSING APPARATUS )  
AND METHOD, AND STORAGE MEDIUM : June 23, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
JUN 28 2006  
of Correction

Attention: **CERTIFICATE OF CORRECTION BRANCH**

**REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER RULES 322 AND 323**

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form (Form PTO-1050), in duplicate, is enclosed.

06/26/2006 SZEWDIE1 00000005 6993148

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100.00 0P

JUN 29 2006

Accompanying this letter is a check for \$100.00 to cover the statutory fee for issuing a Certificate of Correction to correct errors of the patentees. Any deficiency should be charged, or any overpayment credited, to Deposit Account No. 06-1205. A duplicate of this paper is enclosed for this purpose.

Patentees' undersigned attorney may be reached by telephone in our Washington, D.C. office at (202) 530-1010. All correspondence should be directed to our address given below.

Respectfully submitted,



Daniel S. Glueck  
Attorney for Patentees  
Registration No. 37,838

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